

ABSTRACT

Apparatus for driving an optical system modulator to modulate data signals onto a light wave of the optical system. The modulator driver apparatus has a limited amplifier for receiving multiplexed low speed binary data signals and for generating 5 amplified and limited frequency output signals representative of the received multiplexed binary data signals. A differential amplifier connected to an output of the limited amplifier precisely controls the amplitude and generates a low level of over and undershoot of output signals over a wide range of the limited amplifier output signals and has an output connected to central processor unit controlled linear amplifier means for generating gain controlled high fidelity output signals characterized with low over and undershoot and a high extinction ratio for driving the modulator.

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